

105-10-10092

map: Petersburg A-6

Stream 105-10-09

Latitude  $56^{\circ}12'50''$  Longitude  $133^{\circ}54'20''48''$   
44"

This stream is located one mile north of the Ruth marker and two miles northeast of the Aden marker on Kuiu Island.

This stream drains a steep valley located between Port Beauclerc and Louise Cove. The headwaters contain several small lakes with tributaries that originate on the south side of Beauclerc Peak.

The stream displays cobble and gravel substrates in the intertidal area and contains only fair spawning habitat (Photo #27).

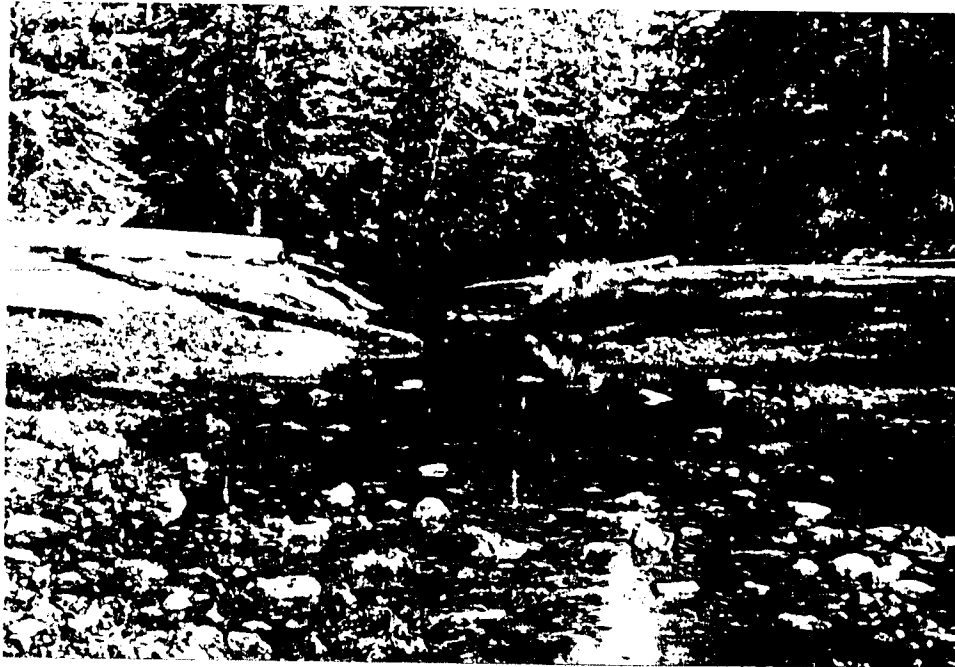


Photo #27: Intertidal area of Stream 105-10-09.

The first 100 yards contains the best upstream spawning habitat and displays 1"-4" gravel substrates. The substrates are chiefly composed of cobble and boulder upstream as the stream gradient becomes moderate. There is very little spawning habitat, as depicted in Photo #28.



Photo #28: "Typical" habitat .1 mile upstream.

There is a total barrier to fish migration located .25 mile upstream. This barrier consists of several massive boulders that have cobble and small boulders piled up behind that create a nine-foot falls at high water. The stream percolates through these substrates at low water. There is no spawning habitat for .2 mile above the barrier with cobble or larger substrates displayed. The steep-sided stream banks are unstable in this section with several small slides present.

The stream is subject to large increases in discharge and considerable high water gravel scouring.

No adult salmonids were observed. A few cutthroat trout were observed below the barrier falls. There are no ADF&G spawning escapement records available for this stream.

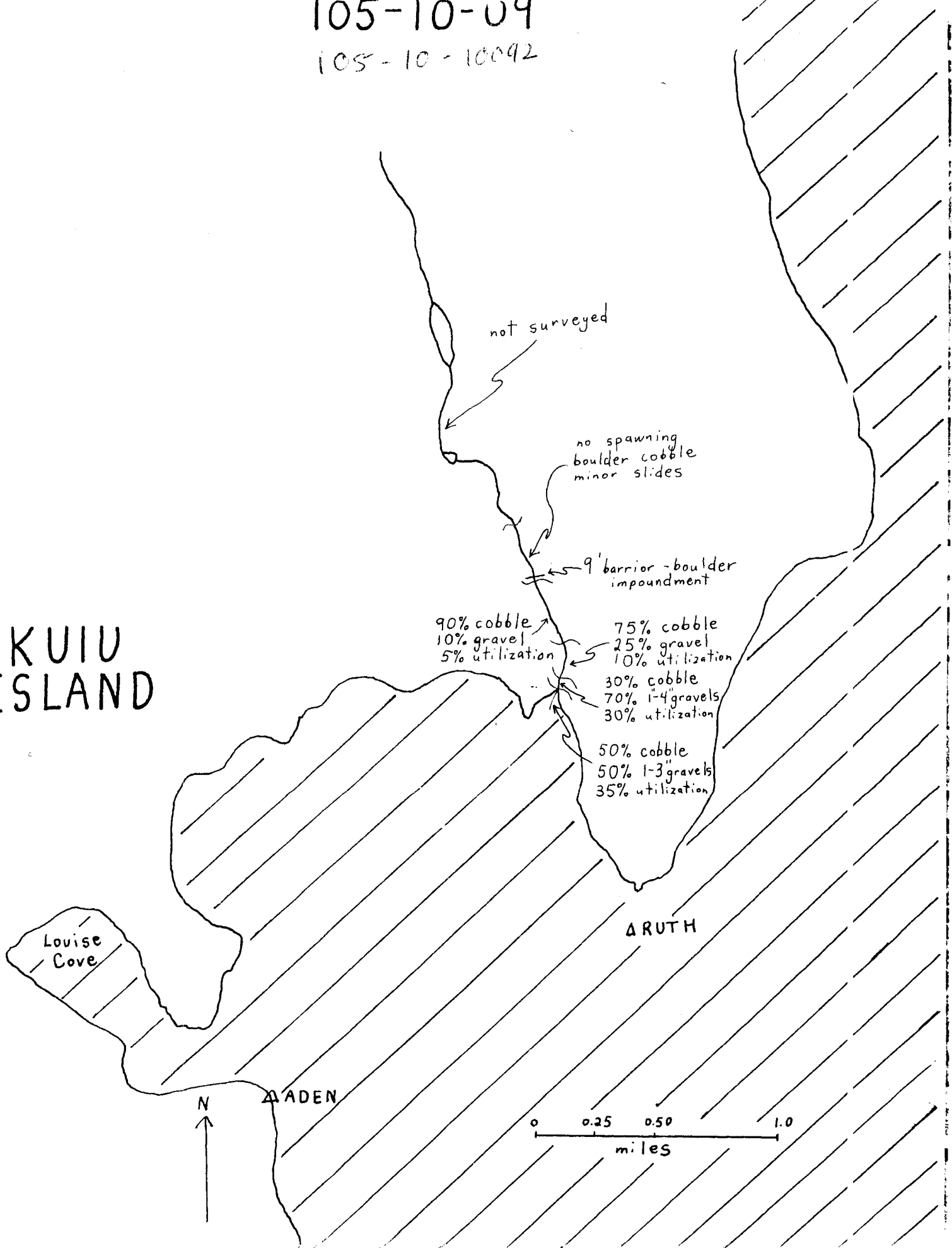
Recommendations:

- 1) Further biological reconnaissance is needed in the upper watershed to determine if spawning habitat exists. Removal of the existing barrier may then be warranted.
- 2) Further biological reconnaissance is needed to determine if any anadromous salmonids utilize the intertidal and lower sections of the stream. If none are observed, then inclusion in ADF&G's stream numbering system may not be warranted.

105-10-09

105-10-10092

KUIU  
ISLAND



STREAMS OF THE S.E. KUIU STUDY AREA

17

FREDERICK  
SOUND

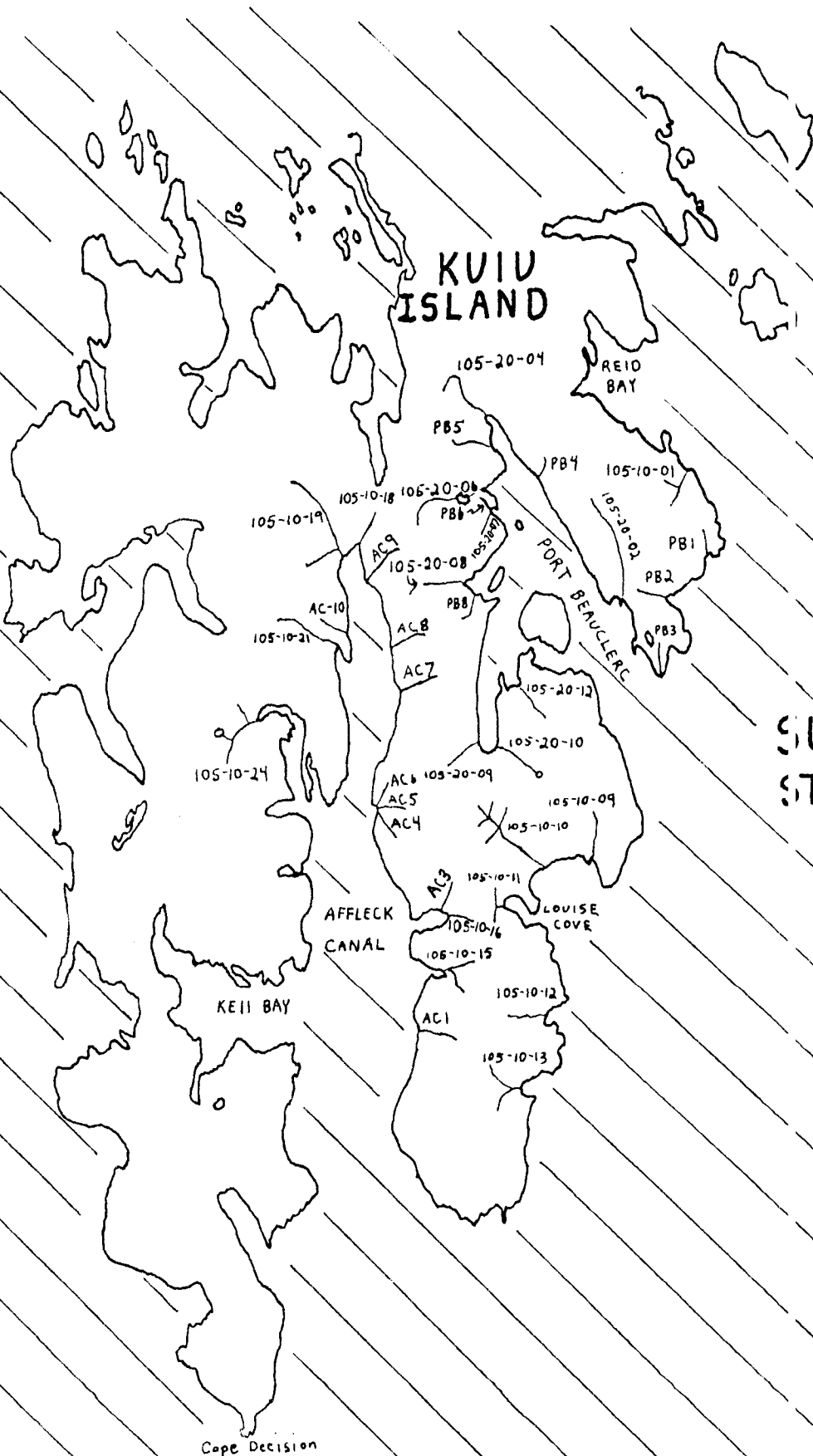
KUIU  
ISLAND

REID  
BAY

PORT  
BEAULIERE

SUMNER  
STRAIT

Cape Decision



CHINLEAF RADIOLAL INVENTION

AREA AND STREAM	TYPE AND DISTANCE OF SURVEY	FISH SPECIES AND MATURITY	STREAM QUALITY			STREAM		VELOCITY		WATER		MAJOR SUBSTRATE		
			Spawning Inter-tidal	Upstream	Rearing	Gradient	Mean width (ft.)	Mean depth (ft.)	Inter-tidal	Upstream	Color	Temp. °C	Inter-tidal	Upstream
105-20-12	.5 mile foot	adult pink, cutthroat trout	excellent	good/excellent	good	gentle	20-40' x 15' x 3"	channel	5 cfs		clear	100°	1" gravels	1" gravels
105-10-09	.4 mile foot	cutthroat trout	fair	fair/poor	fair	moderate	50' channel x 20' x 4"	channel	10 cfs		clear	14.50°	cobble 1-3" gravels	cobble boulder
Kuiu Is. (Summer Strait) 105-10-10	4 mile foot	adult pink salmon, coho fry, trout	very good	good to very good	good to very good	gentle	50' channel x 30' x 4"	channel	12-15cfs		clear	11.50°	gravel and fines	cobble and gravel
1050-10-11	.6 mile foot	cutthroat trout, coho fry	fair/poor	good	good	gentle	20' channel x 10' x 3"	channel	4 cfs		clear	11°	cobble gravel	gravel
Kuiu Is. (Summer Strait) 105-10-12	0.25 mile foot	salmonid fry (trout fry)	poor	poor	fair/good	mostly flat	20' channel x 20' x 11'	channel	6 cfs		lt. tan	16°	small boulders and organic	cobble debris
Kuiu Is. (Summer Strait) 105-10-13	1.4 mile foot	coho fry, trout	lower excellent, upper poor	poor/fair	poor/fair	gentle becoming steep in 0.6 mi	50' channel below forks x 10' x 3"	channel	10 cfs		clear	12.50°	lower gravel upper cobble	cobble